

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	§
Kevin J. Yang	§ Group Art Unit: Unknown
Farid Nemati	§
Scott Robins	§ Examiner: Unknown
James D. Plummer	§
Hyun-Jin Cho	§ Atty Docket: 2000.008.00/US
Serial No.: Unknown	§
Filed: Concurrently Herewith	§
Title: THYRISTOR DEVICE WITH CARBON	§
LIFETIME ADJUSTMENT IMPLANT	§
AND ITS METHOD OF FABRICATION	§

COMMISSIONER FOR PATENTS
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INFORMATION DISCLOSURE STATEMENT

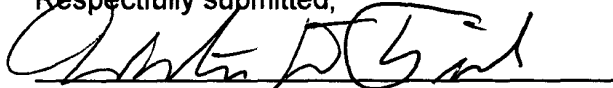
Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR §1.97 (b) (Within three months of filing national application other than a continued prosecution application under §1.53(d); or within three months of the date of entry of the national stage as set forth in §1.491 in an international application; before mailing date of first office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under §1.114);
- ☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,



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360-750-9936

PATENT APPLICATION
Attorney Docket No.: 2000.008.00/US

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449 (Modified) (USE AS MANY SHEETS AS NECESSARY)				Complete if Known	
				Application Number	
				Filing Date	September 25, 2003
				First Named Inventor	Kevin J. Yang
				Art Unit	
				Examiner Name	
				Attorney Docket Number	2000.008.00/US
SHEET	1	OF	1		

1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
		US 6,462,359	10-08-02	Nemati et al.	
		US 6,229,161	05-08-01	Nemati et al.	
		US 4,323,793	04-06-82	Schutten et al.	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		S. Lombardo et al., <i>High Temperature Annealing Effects on the Electrocal Characteristics of C Implanted Si</i> ; J. Appl. Phys. Vol. 79, No. 7, pp. 3464-3469, April 1, 1996.	
		Ibrahim Ban et al.; <i>Effects of Carbon Implantation on Generation Lifetime in Silicon</i> ; Appl. Phys. Lett.; Vol. 68, No. 4, pp. 499-501, Jan. 22, 1996.	
		American Microsemiconductor; <i>Tunnel Diode and Back Diode Tutorial</i> ; at www.americanmicrosemi.com/tutorials/tunnel_diode.htm ; July 31, 2003.	
		Alan SEABAUGH; <i>Silicon-Based Tunnel Diodes and integrated Circuits</i> ; University of Notre Dame; at http://www.nd.edu/~nano/0a1003QFDpaper_v1.pdf ; July 31, 2003.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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